

Thin Client @ School

An AMD Initiative to Improve Education

Successful Technology Strategies Simplify Deployment, Improve Reliability, Control Costs

The Critical Link

Whether you are in the business of creating educational software, training teachers or running schools, thin clients may be the critical link between your services and the classroom.

In 1999 the Thin Client @ School Initiative was launched. The goal of the initiative is to increase the use of thin-client technology in K-12 education through partnerships, awareness and installations at schools around the world. In 2001, the Thin Client @ School Contest awarded a complete thin-client computing solution to a school with an innovative and original plan for the technology. Through these activities, we've identified successful deployment strategies for schools.

The term thin client refers to a growing class of devices that connect to application servers for functionality. The thin client requires minimal local computing power and little if any local storage or local configuration. Most thin clients have a small, sealed case design without open slots and few, if any, moving parts to break down, make noise or generate heat. Their small size works well with existing furniture and classrooms.

Technology Integration in Schools

AMD believes that educators can deliver on the promise of improving education with the aid of technology.

All too often, technology falls short of its potential because the end device fails. Computers that require setup, maintenance and regular reconfiguration at the desktop are the Achilles heel of the technology solution. Companies, school leaders and community members who provide software, training and system support can become frustrated and return to outdated teaching tools.

Thin clients can help overcome these weaknesses. With thin clients on the desktop, technology is accessible, easy-to-use and reliable. When information and applications reside on secure servers, information is portable from the classroom to the library to home. Students, teachers and administrators can push the boundaries of learning to new heights.

Benefits of Thin Clients

- **Lower Cost**—Organizations can save system administration costs with a thin-client solution vs. a traditional computing approach. Because they use less energy and generate less heat, thin clients also reduce energy demands. Less money spent on support can mean more funds available for software and hardware purchases, training and development.
- **Software License Management**—All software resides on servers where technology staff members can maintain and manage resources. Depending on application needs, servers may offer Windows NT®, UNIX®, Linux or terminal emulator to access a broad range of software applications.
- **Quick and Easy Deployment**—When IT staff deploys upgrades and new applications on the server, the updates are immediately available to all thin clients without hardware upgrades.
- **Reliable End User Devices**—Thin-client hardware never requires local system or application reboots. Traditional desktop computers may be replaced every three years compared to five to seven years for thin-client devices.

- **Easy Teacher Training, Planning**—Unique log-ins give teachers and students access to the same desktop, everywhere. Whether connecting in the classroom, the media center or from home, they see the same information.

Thin-Client Migration

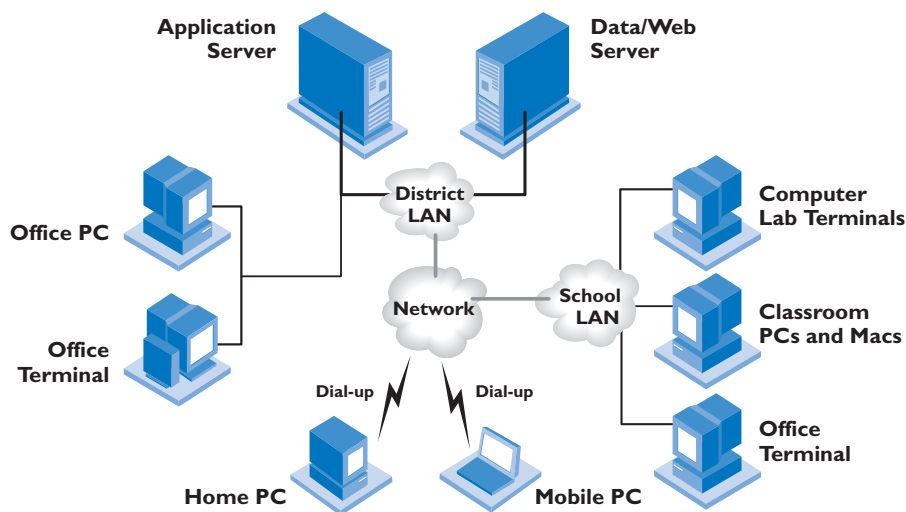
A typical school migration to thin-client computing might start with the purchase of application servers and thin clients for a lab or group of classrooms. Once thin-client servers are installed, older machines throughout the school can connect for access

to current applications. As older machines fail or funding becomes available, the schools add more thin clients. A district also may implement thin clients in administrative offices.

Getting Involved

The Thin Client @ School Initiative demonstrates optimal thin-client solutions for K-12 education settings. AMD has partnered with technology companies and integrators to support pilot projects in the U.S., Germany, China and other countries.

School District Network Using Thin Clients



About AMD

Founded in 1969 and based in Sunnyvale, California, AMD (NYSE: AMD) is a global supplier of integrated circuits for the personal and networked computer and communications markets with manufacturing facilities in the United States, Europe, Japan

and Asia. AMD, a Standard & Poor's 500 company, produces microprocessors, Flash memory devices and silicon-based solutions for communications and networking applications.

AMD
www.amd.com

One AMD Place
P.O. Box 3453
Sunnyvale, CA 94088-3453, USA
Tel: 408-749-4000 or 800-538-8450
TWX: 910-339-9280
TELEX: 34-6306



30825A

Technical Support

USA & Canada: 800-222-9323 or 408-749-5703
USA & Canada PC Microprocessor:
408-749-3060
USA & Canada Email: hw.support@amd.com

Latin America Email:
latinamerica.support@amd.com

Europe & UK: +44-0-1276-803299
Europe & UK Fax: +44-0-1276-803298
France: 0800-908-621
Germany: +49-089-450-53199
Italy: 800-877224
Europe Email: euro.tech@amd.com

Far East Fax: 852-2956-0588

Japan Fax: 81-3-3346-7848

Literature Ordering

On the Web: www.amd.com/support/literature.html
USA & Canada: 800-222-9323
Europe Email: euro.lit@amd.com
Far East Fax: 852-2956-0588
Japan Fax: 03-3346-9628

© 2003 Advanced Micro Devices, Inc. AMD, the AMD Arrow logo, and combinations thereof, are trademarks of Advanced Micro Devices, Inc. Windows NT is a registered trademark of Microsoft Corporation in the U.S. and/or other jurisdictions. Other product and company names used in this publication are for identification purposes only and may be trademarks of their respective companies.